

Amendments to the Specification:

Please amend the title as follows:

SCREW COMPRESSOR IN WHICH THE TRAILING FLANKS OF THE
LOBES OF AT LEAST ONE ROTOR BODY ARE BEVELED AT AN END
SURFACE OF THE ROTOR BODY NEAR THE OUTLET PORT

Please insert the following heading on page 1, before the first paragraph:

BACKGROUND OF THE INVENTION

Please insert the following heading on page 2, before the first paragraph:

SUMMARY OF THE INVENTION

Please insert the following heading on page 2, between lines 8 and 9:

BRIEF DESCRIPTION OF THE DRAWINGS

Please amend the paragraph at page 2, lines 19 and 20 as follows:

Figure 5 is a ~~part~~ schematic partial view of the male lobe shown in Fig. 3, as seen from above in the end of the rotor at the outlet end of the compressor.

Please insert the following heading on page 2, between lines 20 and 21:

DETAILED DESCRIPTION

Please amend the paragraph at page 2, line 30 to page 3,
line 4 as follows:

The male rotor 101 has a rotor body 22 that includes a plurality of lobes 106 and intermediate lobes grooves 111 which extend in a helical line along the rotor 22.

Similarly, the female rotor 102 has a rotor body 23 which includes a plurality of lobes 107 and intermediate grooves 112 that extend in a helical line along the rotor 23. The major part of each lobe ~~107~~ 106 on the male rotor 101 is located outwardly of the circle of contact with the female rotor 102, whereas the major part of each lobe 107 on the female rotor 102 is located inwardly of said circle of contact. The female rotor 102 will normally have more lobes than the male rotor 101. A typical combination is one in which the male rotor 101 has four lobe and the female rotor 102 six lobes.

Please amend the paragraph at page 3, lines 23-31 as follows:

Figure 3 is a sectional view of a lobe 106 on the male rotor 101, taken at a right angle to the rotor shaft 21 in the middle portion of the rotor body and seen from the outlet end of the compressor. The sectional area is referenced 3'. The lobe 106 has a top or crown 5, a leading first flank surface or side surface 1, which extends from the crown 5 to a foot 7, and a following or trailing second flank surface or side surface 2, which extends from said crown 5 to a second foot 8. The lobe 106 moves in the direction of arrow P as the rotor rotates. Beyond the section 3' the lobe ~~[[5]]~~ 106 extends helically along the rotor body 22. The leading first flank surface 1 therewith defines an obtuse angle with the section plane 3' and the trailing second flank surface 2 defines an acute angle with said plane 3'.

Please amend the paragraph at page 3, line 32 to page 4,
line 12 as follows:

Figure 4 shows an end surface 3 at the compressor outlet end of the rotor lobe 106. This surface 3 lies in a plane parallel with the plane 3' in Fig. 3 and is viewed in the same direction as the section plane 3'. The lobes 106 of the rotor body 22 differ at the end plane ~~from~~ with respect to the shape and extension of the trailing flank surface or side surface. The flank surface 2 shown with broken lines or dashes corresponds to the flank surface 2 (shown with a full line) in Fig. 3. The trailing flank surface of the lobe 106 in Fig. 4 is referenced 2a. The ~~hatched~~ stippled area 14 of Fig. 4 shows the difference between the extensions of the trailing second flank surface in the end surface 3 in relation to a plane 3' in the rotor body 22 at a distance from the end plane. This ~~hatched~~ stippled area 14 corresponds to the apex of the acute angle defined between the end surface 3 and the trailing second flank surface 2. The area 14 situated between the flank surface line 2a of the end surface 3 and the flank surface line 2 of the lobe 106 may be flat, rounded or have some

other shape, or may be parallel with the rotor axis. The important fact is that the string of material located in the apex of the acute angle between the end surface 3 and the trailing second flank surface 2 of the lobe 106 in the case of known rotors is either removed or the rotor is produced in the absence of such a string.